Waste and Wind Energy Projects with Central Assistance

2451. SHRI N.R. GOVINDARAJAR: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the number of the energy projects set up with the help of Union Government in various States for generation of energy from waste and the wind;

(b) the quantum of energy generated by these projects at present;

(c) whether potential for generation of energy through wind and waste has been explored in Tamil Nadu;

(d) if so, the details thereof; and

(e) the amount of assistance provided to each State for generation of energy through wind and waste during the last two years?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) A total of 27 Waste-to-Energy Projects have been set up with Central Financial Assistance under the Waste-to-Energy Programme. Central Financial Assistance (CFA) is provided for setting up of only limited number of demonstration wind power projects for opening up of new sites. A total of 36 demonstration projects, aggregating to 70.6 MW installed capacity, have been set up so far in ten States with Central Financial Assistance. State-wise information is given in the statement -I (*see* below). Moreover, a total wind power capacity of about 3670 MW has been installed in the country so far as commercial projects through private investments.

(b) The quantum of energy generated by the waste to energy projects and wind power projects is about 2475 million units during the year 2004-05.

(c) and (d) Yes, Sir. Fourty one sites, which could be considered suitable for wind power projects have been identified in the State of Tamil Nadu, with a gross wind power potential of 3050 MW. Wind power capacity of 2109 MW has so far been installed in the State. Potential for recovery of energy from urban solid and liquid wastes have been estimated at 151 MW in the State of Tamil Nadu. Waste to energy projects with an aggregate capacity of 3.3 MW has been installed so far in the State.

(e) The State-wise details of Central Financial Assistance provided by the Ministry during the last two years for setting up of power projects based on urban and industrial wastes and demonstration wind power projects are given in the Statement —II.

Statement—I

State-wise Number of Power Projects set up so far in the Country with Central Financial Assistance

(a) Urban and Industrial Wastes to Energy Projects:

Sl. No.	State	Projects Set Up (No.)
1	Andhra Pradesh	7
2	Gujarat	3
3	Karnataka	2
4	Madhya Pradesh	2
5	Maharashtra	2
6	Orissa	1
7	Punjab	2
8	Uttar Pradesh	3
9	Tamilnadu	5
	TOTAL:	27

(b) Demonstration Wind Power Projects:

Sl. No.	State	Projects Set Up (No.)
1	Andhra Pradesh	3
2	Gujarat	7
3	Karnataka	4
4	Kerala	2
5	Madhya Pradesh	1
6	Maharashtra	6
7	Rajasthan	3
8	Tamil Nadu	8
9	West Bengal	1
10	Orissa	1
	TOTAL:	36

Statement —II

Details of Central Financial Assistance provided by the Ministry to various States during the last two years (2003-04 and 2004-05) for setting up power projects based on Urban and Industrial Wastes and Wind Energy.

(a) Urban & Industrial Wastes:

(Rs. in crore)

Sl. No.	State	Central Financial Assistance
1	Andhra Pradesh	1.62
2	Gujarat	0.02
3	Tamil Nadu	3.97
4	Uttar Pradesh	0.01
5	Delhi	3.06
6	Jharkhand	0.08

(b) Demonstration Wind Power Projects:

(Rs. in crore)

Sl. No.	State	Central Financial Assistance
1	Andhra Pradesh	4.13
2	Karnataka	6.90
3	Maharashtra	0.35
4	West Bengal	0.48

Solar and wind energy potential in Rajasthan

2452. DR. GYAN PRAKASH PILANIA: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Government are aware that Rajasthan, especially its desert region is endowed with high potentiality of Solar and Wind Energy;

(b) whether any feasibility study has been undertaken by Government to set up Solar plants and wind mills to generate power;